SUBJECT INDEX

Absorption

Factors Controlling Properties and Durability of Concretionary Laterite Gravel Aggregates, Enuvie G. Akpokodje and Peter P. Hudec, MT Feb. 92, p58-70.

Adhesive bonding

In-Place Shear Testing of Tile, Arthur P. Reed, Bruce A. Suprenant and Jim Acri, MT Aug. 92, p264-274.

Admixtures

Mix Design for Flowable Fly-Ash Backfill Material, R. Janardhanam, F. Burns and R. D. Peindl, MT Aug. 92, p252-263.

Strength and Corrosion Resistance of Superplasticized Concretes, Mohammed Maslehuddin, Rasheeduzzafar and Abdulaziz Ibrahim Al-Mana, MT Feb. 92, p108-113.

Aggregates

Creep Recovery of Prepacked Aggregate Concrete, Abu S. M. Abdul Awal, MT Aug. 92, p320-325.

Factors Controlling Properties and Durability of Concretionary Laterite Gravel Aggregates, Enuvie G. Akpokodje and Peter P. Hudec, MT Feb. 92, p58-70.

MSW Incinerator Ash as Aggregate in Concrete and Masonry, Rosmadi Abdul Rashid and Gregory C. Frantz, MT Nov. 92, p353-368.

Air entrainment

Durability of MSW Fly-Ash Concrete, James R. Triano and Gregory C. Frantz, MT Nov. 92, p369-384.

Protected-Paste Volume of Air-Entrained Cement Paste. Part 1, K. Natesaiyer, K. C. Hover and K. A. Snyder, MT May 92, p166-184.

Alkalinity

Rebar Corrosion in $MgSO_4$ Solution, Mohammad Shamim Khan and Abdul-Hamid J. Al-Tayyib, MT Aug. 92, p292-299.

Aramid

Properties of Aramid-Fiber Reinforced Concrete and SIFCON, Antonio Nanni, MT Feb. 92, p1-15.

Artificial islands

Fly-Ash Slurry Island: I. Theoretical and Experimental Investigations, Sumio Horiuchi, Masataka Taketsuka, Takuro Odawara and Hiromi Kawasaki, MT May 92, p117-133.

Fly-Ash Slurry Island: II. Construction in Hakucho Ohashi Project, H. Kawasaki, S. Horiuchi, M. Akatsuka and S. Sano, MT May 92, p134-152.

Ashes

MSW Incinerator Ash as Aggregate in Concrete and Masonry, Rosmadi Abdul Rashid and Gregory C. Frantz, MT Nov. 92, p353-368.

Asphalt mix design

Variations in Measured Resilient Modulus of Asphalt Mixes, Faisal H. Al-Sugair and Jamal A. Almudaiheem, MT Nov. 92, p343-352.

Backfills

Mix Design for Flowable Fly-Ash Backfill Material, R. Janardhanam, F. Burns and R. D. Peindl, MT Aug. 92, p252-263.

Bars

Corrosion Cracking in Relation to Bar Diameter, Cover, and Concrete Quality, Rasheeduzzafar, S. S. Al-Saadoun and A. S. Al-Gahtani, MT Nov. 92, p327-342.

Bonding

FRP-Reinforced Wood as Structural Material, Nikolaos Plevris and Thanasis C. Triantafillou, MT Aug. 92, p300-317.

Bonding strength

In-Place Shear Testing of Tile, Arthur P. Reed, Bruce A. Suprenant and Jim Acri, MT Aug. 92, p264-274.

Bricks

Water Penetration in Laterally Loaded Brick-Wall Panels, J. O. Arumala, MT Nov. 92, p432-436.

Bridges

Fly-Ash Slurry Island: I. Theoretical and Experimental Investigations, Sumio Horiuchi, Masataka Taketsuka, Takuro Odawara and Hiromi Kawasaki, MT May 92, p117-133.

Fly-Ash Slurry Island: II. Construction in Hakucho Ohashi Project, H. Kawasaki, S. Horiuchi, M. Akatsuka and S. Sano, MT May 92, p134-152.

Building codes

Water Penetration in Laterally Loaded Brick-Wall Panels, J. O. Arumala, MT Nov. 92, p432-436.

Buried pipes

Mix Design for Flowable Fly-Ash Backfill Material, R. Janardhanam, F. Burns and R. D. Peindl, MT Aug. 92, p252-263.

Carbonation

Chloride Binding Capacity in Cement–Fly-Ash Pastes, O. A. Kayyali and M. Sh. Qasrawi, MT Feb. 92, p16-26.

Case reports

Performance of Masonry Walls: Case Study in Kuwait, Adnan M. Al-Adeeb and Hayfaa A. Al-Mudhaf, MT Feb. 92, p77-90.

Cement paste

Chloride Binding Capacity in Cement–Fly-Ash Pastes, O. A. Kayyali and M. Sh. Qasrawi, MT Feb. 92, p16-26.

Fracture Toughness for Steel Fiber-Cement Paste Interfacial Zone, Mitsunori Kawamura and Shin-ichi Igarashi, MT Aug. 92, p227-239.

Protected-Paste Volume of Air-Entrained Cement Paste. Part 1, K. Natesaiyer, K. C. Hover and K. A. Snyder, MT May 92, p166-184.

Cements

Moisture Effects on Flexural Performance of Wood Fiber-Cement Composites, Parviz Soroushian and Shashidhara Marikunte, MT Aug. 92, p275-291.

Permeability of Roller Compacted Concrete, Nemkumar Banthia, Michel Pigeon, Jaques Marchand and Jean Boisvert, MT Feb. 92, p27-40.

Postcrack Scaling Relations for Fiber Reinforced Cementitious Composites, Victor C. Li, MT Feb. 92, p41-57.

Chlorides

Chloride Binding Capacity in Cement–Fly-Ash Pastes, O. A. Kayyali and M. Sh. Qasrawi, MT Feb. 92, p16-26.

Rebar Corrosion in $MgSO_4$ Solution, Mohammad Shamim Khan and Abdul-Hamid J. Al-Tayyib, MT Aug. 92, p292-299.

Cofferdams

Fly-Ash Slurry Island: I. Theoretical and Experimental Investigations, Sumio Horiuchi, Masataka Taketsuka, Takuro Odawara and Hiromi Kawasaki, MT May 92, p117-133.

Fly-Ash Slurry Island: II. Construction in Hakucho Ohashi Project, H. Kawasaki, S. Horiuchi, M. Akatsuka and S. Sano, MT May 92, p134-152.

Composite beams

Straight, Single-Tapered Composite I-Beams of Orthotropic Materials, Robert J. Leichti and Chai H. Yoo, MT Nov. 92, p399-414.

Composite materials

Modeling Stiffness Degradation in Filamentary Composite Materials, Robert M. Hackett and Kerry T. Slattery, MT May 92, p196-211.

Moisture Effects on Flexural Performance of Wood Fiber-Cement Composites, Parviz Soroushian and Shashidhara Marikunte, MT Aug. 92, p275-291.

Postcrack Scaling Relations for Fiber Reinforced Cementitious Composites, Victor C. Li, MT Feb. 92, p41-57.

Predictions of Thermal Characteristics for Mixed Porous Media, Yueying Deng, Clifford B. Fedler and James M. Gregory, MT May 92, p185-195.

Composite structures

FRP-Reinforced Wood as Structural Material, Nikolaos Plevris and Thanasis C. Triantafillou, MT Aug. 92, p300-317.

Properties of PVB Interlayer Used in Laminated Glass, C. V. Girija Vallabhan, Y. C. Das and Manjunatha Ramasamudra, MT Feb. 92, p71-76.

Compression

Compressive Behavior of Glass-Fiber–Reinforced Polymer Concrete, S. Mebarkia and C. Vipulanandan, MT Feb. 92, p91-105.

Normal- and High-Strength Fiber-Reinforced Concrete under Compression, A. Samer Ezeldin and Perumalsamy N. Balaguru, MT Nov. 92, p415-429.

Compressive strength

Mix Design for Flowable Fly-Ash Backfill Material, R. Janardhanam, F. Burns and R. D. Peindl, MT Aug. 92, p252-263.

Strength and Corrosion Resistance of Superplasticized Concretes, Mohammed Maslehuddin, Rasheeduzzafar and Abdulaziz Ibrahim Al-Mana, MT Feb. 92, p108-113.

Strength and Shrinkage of Natural Pozzolanic Mortar in Hot Weather, Jihad S. Sawan, MT May 92, p153-165.

Computerized simulation

Modeling Stiffness Degradation in Filamentary Composite Materials, Robert M. Hackett and Kerry T. Slattery, MT May 92, p196-211.

Concrete

Creep Recovery of Prepacked Aggregate Concrete, Abu S. M. Abdul Awal, MT Aug. 92, p320-325.

Durability of MSW Fly-Ash Concrete, James R. Triano and Gregory C. Frantz, MT Nov. 92, p369-384.

MSW Incinerator Ash as Aggregate in Concrete and Masonry, Rosmadi Abdul Rashid and Gregory C. Frantz, MT Nov. 92, p353-368.

Strength and Corrosion Resistance of Superplasticized Concretes, Mohammed Maslehuddin, Rasheeduzzafar and Abdulaziz Ibrahim Al-Mana, MT Feb. 92, p108-113.

Concrete durability

Protected-Paste Volume of Air-Entrained Cement Paste. Part 1, K. Natesaiyer, K. C. Hover and K. A. Snyder, MT May 92, p166-184.

Concrete masonry

MSW Incinerator Ash as Aggregate in Concrete and Masonry, Rosmadi Abdul Rashid and Gregory C. Frantz, MT Nov. 92, p353-368.

Concrete, reinforced

Corrosion Cracking in Relation to Bar Diameter, Cover, and Concrete Quality, Rasheeduzzafar, S. S. Al-Saadoun and A. S. Al-Gahtani, MT Nov. 92, p327-342.

Normal- and High-Strength Fiber-Reinforced Concrete under Compression, A. Samer Ezeldin and Perumalsamy N. Balaguru, MT Nov. 92, p415-429.

Properties of Aramid-Fiber Reinforced Concrete and SIFCON, Antonio Nanni, MT Feb. 92, p1-15.

Rebar Corrosion in $MgSO_4$ Solution, Mohammad Shamim Khan and Abdul-Hamid J. Al-Tayyib, MT Aug. 92, p292-299.

Construction

In-Place Shear Testing of Tile, Arthur P. Reed, Bruce A. Suprenant and Jim Acri, MT Aug. 92, p264-274.

Water Penetration in Laterally Loaded Brick-Wall Panels, J. O. Arumala, MT Nov. 92, p432-436.

Construction materials

Fly-Ash Slurry Island: I. Theoretical and Experimental Investigations, Sumio Horiuchi, Masataka Taketsuka, Takuro Odawara and Hiromi Kawasaki, MT May 92, p117-133.

Fly-Ash Slurry Island: II. Construction in Hakucho Ohashi Project, H. Kawasaki, S. Horiuchi, M. Akatsuka and S. Sano, MT May 92, p134-152.

Corrosion

Chloride Binding Capacity in Cement–Fly-Ash Pastes, O. A. Kayyali and M. Sh. Qasrawi, MT Feb. 92, p16-26.

Corrosion Cracking in Relation to Bar Diameter, Cover, and Concrete Quality, Rasheeduzzafar, S. S. Al-Saadoun and A. S. Al-Gahtani, MT Nov. 92, p327-342.

Rebar Corrosion in $MgSO_4$ Solution, Mohammad Shamim Khan and Abdul-Hamid J. Al-Tayyib, MT Aug. 92, p292-299.

Water Penetration in Laterally Loaded Brick-Wall Panels, J. O. Arumala, MT Nov. 92, p432-436.

Corrosion resistance

Strength and Corrosion Resistance of Superplasticized Concretes, Mohammed Maslehuddin, Rasheeduzzafar and Abdulaziz Ibrahim Al-Mana, MT Feb. 92, p108-113.

Cracking

Corrosion Cracking in Relation to Bar Diameter, Cover, and Concrete Quality, Rasheeduzzafar, S. S. Al-Saadoun and A. S. Al-Gahtani, MT Nov. 92, p327-342.

Performance of Masonry Walls: Case Study in Kuwait, Adnan M. Al-Adeeb and Hayfaa A. Al-Mudhaf, MT Feb. 92, p77-90.

Cracks

Postcrack Scaling Relations for Fiber Reinforced Cementitious Composites, Victor C. Li, MT Feb. 92, p41-57.

Creep

Creep Recovery of Prepacked Aggregate Concrete, Abu S. M. Abdul Awal, MT Aug. 92, p320-325.

Curing

Chloride Binding Capacity in Cement–Fly-Ash Pastes, O. A. Kayyali and M. Sh. Qasrawi, MT Feb. 92, p16-26.

Strength and Shrinkage of Natural Pozzolanic Mortar in Hot Weather, Jihad S. Sawan, MT May 92, p153-165.

Damage

Modeling Stiffness Degradation in Filamentary Composite Materials, Robert M. Hackett and Kerry T. Slattery, MT May 92, p196-211.

Deflection

Straight, Single-Tapered Composite I-Beams of Orthotropic Materials, Robert J. Leichti and Chai H. Yoo, MT Nov. 92, p399-414.

Degradation failures

Modeling Stiffness Degradation in Filamentary Composite Materials, Robert M. Hackett and Kerry T. Slattery, MT May 92, p196-211.

Design

Mix Design for Flowable Fly-Ash Backfill Material, R. Janardhanam, F. Burns and R. D. Peindl, MT Aug. 92, p252-263.

Earth pressure

Fly-Ash Slurry Island: II. Construction in Hakucho Ohashi Project, H. Kawasaki, S. Horiuchi, M. Akatsuka and S. Sano, MT May 92, p134-152.

Elastic properties

Straight, Single-Tapered Composite I-Beams of Orthotropic Materials, Robert J. Leichti and Chai H. Yoo, MT Nov. 92, p399-414.

Elastomer

Properties of PVB Interlayer Used in Laminated Glass, C. V. Girija Vallabhan, Y. C. Das and Manjunatha Ramasamudra, MT Feb. 92, p71-76.

Failures

In-Place Shear Testing of Tile, Arthur P. Reed, Bruce A. Suprenant and Jim Acri, MT Aug. 92, p264-274.

Fatigue

Durability of MSW Fly-Ash Concrete, James R. Triano and Gregory C. Frantz, MT Nov. 92, p369-384.

Fiber composites

Modeling Stiffness Degradation in Filamentary Composite Materials, Robert M. Hackett and Kerry T. Slattery, MT May 92, p196-211.

Fiber reinforced materials

Normal- and High-Strength Fiber-Reinforced Concrete under Compression, A. Samer Ezeldin and Perumalsamy N. Balaguru, MT Nov. 92, p415-429.

Postcrack Scaling Relations for Fiber Reinforced Cementitious Composites, Victor C. Li, MT Feb. 92, p41-57.

Properties of Aramid-Fiber Reinforced Concrete and SIFCON, Antonio Nanni, MT Feb. 92, p1-15.

Fiber reinforced plastics

FRP-Reinforced Wood as Structural Material, Nikolaos Plevris and Thanasis C. Triantafillou, MT Aug. 92, p300-317.

Fibers

Moisture Effects on Flexural Performance of Wood Fiber-Cement Composites, Parviz Soroushian and Shashidhara Marikunte, MT Aug. 92, p275-291.

Field investigations

Performance of Masonry Walls: Case Study in Kuwait, Adnan M. Al-Adeeb and Hayfaa A. Al-Mudhaf, MT Feb. 92, p77-90.

Fineness

Permeability of Roller Compacted Concrete, Nemkumar Banthia, Michel Pigeon, Jaques Marchand and Jean Boisvert, MT Feb. 92, p27-40.

Finite elements
Modeling Stiffness Degradation in Filamentary Composite Materials, Robert M. Hackett and Kerry T. Slattery, MT May 92, p196-211.

Straight, Single-Tapered Composite I-Beams of Orthotropic Materials, Robert J. Leichti and Chai H. Yoo, MT Nov. 92, p399-414.

Flexure
Moisture Effects on Flexural Performance of Wood Fiber-Cement Composites, Parviz Soroushian and Shashidhara Marikunte, MT Aug. 92, p275-291.

Fly ash
Chloride Binding Capacity in Cement–Fly-Ash Pastes, O. A. Kayyali and M. Sh. Qasrawi, MT Feb. 92, p16-26.

Durability of MSW Fly-Ash Concrete, James R. Triano and Gregory C. Frantz, MT Nov. 92, p369-384.

Fly-Ash Slurry Island: I. Theoretical and Experimental Investigations, Sumio Horiuchi, Masataka Taketsuka, Takuro Odawara and Hiromi Kawasaki, MT May 92, p117-133.

Fly-Ash Slurry Island: II. Construction in Hakucho Ohashi Project, H. Kawasaki, S. Horiuchi, M. Akatsuka and S. Sano, MT May 92, p134-152.

Mix Design for Flowable Fly-Ash Backfill Material, R. Janardhanam, F. Burns and R. D. Peindl, MT Aug. 92, p252-263.

Properties of Gypsum Wallboards Containing Fly Ash, Ramesh C. Joshi, Joonu O. Thomas and Rex B. Adam, MT May 92, p212-225.

Strength and Corrosion Resistance of Superplasticized Concretes, Mohammed Maslehuddin, Rasheeduzzafar and Abdulaziz Ibrahim Al-Mana, MT Feb. 92, p108-113.

Fracture strength
Fracture Toughness for Steel Fiber-Cement Paste Interfacial Zone, Mitsunori Kawamura and Shin-ichi Igarashi, MT Aug. 92, p227-239.

Freeze-thaw durability
Durability of MSW Fly-Ash Concrete, James R. Triano and Gregory C. Frantz, MT Nov. 92, p369-384.

Permeability of Roller Compacted Concrete, Nemkumar Banthia, Michel Pigeon, Jaques Marchand and Jean Boisvert, MT Feb. 92, p27-40.

Frost penetration
Protected-Paste Volume of Air-Entrained Cement Paste. Part 1, K. Natesaiyer, K. C. Hover and K. A. Snyder, MT May 92, p166-184.

Glass fibers
Compressive Behavior of Glass-Fiber–Reinforced Polymer Concrete, S. Mebarkia and C. Vipulanandan, MT Feb. 92, p91-105.

Glass plates
Properties of PVB Interlayer Used in Laminated Glass, C. V. Girija Vallabhan, Y. C. Das and Manjunatha Ramasamudra, MT Feb. 92, p71-76.

Grout
Creep Recovery of Prepacked Aggregate Concrete, Abu S. M. Abdul Awal, MT Aug. 92, p320-325.

Gypsum
Properties of Gypsum Wallboards Containing Fly Ash, Ramesh C. Joshi, Joonu O. Thomas and Rex B. Adam, MT May 92, p212-225.

Heat transfer
Predictions of Thermal Characteristics for Mixed Porous Media, Yueying Deng, Clifford B. Fedler and James M. Gregory, MT May 92, p185-195.

High strength concretes
Normal- and High-Strength Fiber-Reinforced Concrete under Compression, A. Samer Ezeldin and Perumalsamy N. Balaguru, MT Nov. 92, p415-429.

Hot weather construction
Strength and Shrinkage of Natural Pozzolanic Mortar in Hot Weather, Jihad S. Sawan, MT May 92, p153-165.

Hydraulic pressure
Protected-Paste Volume of Air-Entrained Cement Paste. Part 1, K. Natesaiyer, K. C. Hover and K. A. Snyder, MT May 92, p166-184.

I beams
Straight, Single-Tapered Composite I-Beams of Orthotropic Materials, Robert J. Leichti and Chai H. Yoo, MT Nov. 92, p399-414.

Interfaces
Fracture Toughness for Steel Fiber-Cement Paste Interfacial Zone, Mitsunori Kawamura and Shin-ichi Igarashi, MT Aug. 92, p227-239.

Joints
Modeling Load-Slip Behavior of Nailed Joints, Ruy A. Sà Ribeiro and Patrick J. Pellicane, MT Nov. 92, p385-398.

Kuwait
Performance of Masonry Walls: Case Study in Kuwait, Adnan M. Al-Adeeb and Hayfaa A. Al-Mudhaf, MT Feb. 92, p77-90.

Laboratory tests
Factors Controlling Properties and Durability of Concretionary Laterite Gravel Aggregates, Enuvie G. Akpokodje and Peter P. Hudec, MT Feb. 92, p58-70.

Fly-Ash Slurry Island: I. Theoretical and Experimental Investigations, Sumio Horiuchi, Masataka Taketsuka, Takuro Odawara and Hiromi Kawasaki, MT May 92, p117-133.

Performance of Masonry Walls: Case Study in Kuwait, Adnan M. Al-Adeeb and Hayfaa A. Al-Mudhaf, MT Feb. 92, p77-90.

Properties of Gypsum Wallboards Containing Fly Ash, Ramesh C. Joshi, Joonu O. Thomas and Rex B. Adam, MT May 92, p212-225.

Lateral loads
Modeling Load-Slip Behavior of Nailed Joints, Ruy A. Sà Ribeiro and Patrick J. Pellicane, MT Nov. 92, p385-398.

Laterites
Factors Controlling Properties and Durability of Concretionary Laterite Gravel Aggregates, Enuvie G. Akpokodje and Peter P. Hudec, MT Feb. 92, p58-70.

Layered systems
Properties of Aramid-Fiber Reinforced Concrete and SIFCON, Antonio Nanni, MT Feb. 92, p1-15.

Load tests
Water Penetration in Laterally Loaded Brick-Wall Panels, J. O. Arumala, MT Nov. 92, p432-436.

Loads
Creep Recovery of Prepacked Aggregate Concrete, Abu S. M. Abdul Awal, MT Aug. 92, p320-325.

Masonry
Performance of Masonry Walls: Case Study in Kuwait, Adnan M. Al-Adeeb and Hayfaa A. Al-Mudhaf, MT Feb. 92, p77-90.

Materials
FRP-Reinforced Wood as Structural Material, Nikolaos Plevris and Thanasis C. Triantafillou, MT Aug. 92, p300-317.

Materials, properties
Factors Controlling Properties and Durability of Concretionary Laterite Gravel Aggregates, Enuvie G. Akpokodje and Peter P. Hudec, MT Feb. 92, p58-70.

Properties of PVB Interlayer Used in Laminated Glass, C. V. Girija Vallabhan, Y. C. Das and Manjunatha Ramasamudra, MT Feb. 92, p71-76.

Variations in Measured Resilient Modulus of Asphalt Mixes, Faisal H. Al-Sugair and Jamal A. Almudaiheem, MT Nov. 92, p343-352.

Materials testing
Properties of Aramid-Fiber Reinforced Concrete and SIFCON, Antonio Nanni, MT Feb. 92, p1-15.

Mathematical models
Modeling Load-Slip Behavior of Nailed Joints, Ruy A. Sà Ribeiro and Patrick J. Pellicane, MT Nov. 92, p385-398.

Mathematics
Protected-Paste Volume of Air-Entrained Cement Paste. Part 1, K. Natesaiyer, K. C. Hover and K. A. Snyder, MT May 92, p166-184.

Mixtures
Predictions of Thermal Characteristics for Mixed Porous Media, Yueying Deng, Clifford B. Fedler and James M. Gregory, MT May 92, p185-195.

Modulus of elasticity
Variations in Measured Resilient Modulus of Asphalt Mixes, Faisal H. Al-Sugair and Jamal A. Almudaiheem, MT Nov. 92, p343-352.

Moisture content
Moisture Effects on Flexural Performance of Wood Fiber-Cement Composites, Parviz Soroushian and Shashidhara Marikunte, MT Aug. 92, p275-291.

Mortars
Strength and Shrinkage of Natural Pozzolanic Mortar in Hot Weather, Jihad S. Sawan, MT May 92, p153-165.

Municipal wastes
Durability of MSW Fly-Ash Concrete, James R. Triano and Gregory C. Frantz, MT Nov. 92, p369-384.

MSW Incinerator Ash as Aggregate in Concrete and Masonry, Rosmadi Abdul Rashid and Gregory C. Frantz, MT Nov. 92, p353-368.

Nails
Modeling Load-Slip Behavior of Nailed Joints, Ruy A. Sà Ribeiro and Patrick J. Pellicane, MT Nov. 92, p385-398.

Optimization
FRP-Reinforced Wood as Structural Material, Nikolaos Plevris and Thanasis C. Triantafillou, MT Aug. 92, p300-317.

Pavement design
Variations in Measured Resilient Modulus of Asphalt Mixes, Faisal H. Al-Sugair and Jamal A. Almudaiheem, MT Nov. 92, p343-352.

Performance
Performance of Masonry Walls: Case Study in Kuwait, Adnan M. Al-Adeeb and Hayfaa A. Al-Mudhaf, MT Feb. 92, p77-90.

Permeability
Permeability of Roller Compacted Concrete, Nemkumar Banthia, Michel Pigeon, Jaques Marchand and Jean Boisvert, MT Feb. 92, p27-40.

Physical properties
MSW Incinerator Ash as Aggregate in Concrete and Masonry, Rosmadi Abdul Rashid and Gregory C. Frantz, MT Nov. 92, p353-368.

Properties of Gypsum Wallboards Containing Fly Ash, Ramesh C. Joshi, Joonu O. Thomas and Rex B. Adam, MT May 92, p212-225.

Poisson ratio
Compressive Behavior of Glass-Fiber–Reinforced Polymer Concrete, S. Mebarkia and C. Vipulanandan, MT Feb. 92, p91-105.

Polymer concretes
Compressive Behavior of Glass-Fiber–Reinforced Polymer Concrete, S. Mebarkia and C. Vipulanandan, MT Feb. 92, p91-105.

Polymers
Compressive Behavior of Glass-Fiber–Reinforced Polymer Concrete, S. Mebarkia and C. Vipulanandan, MT Feb. 92, p91-105.

Porosity
Factors Controlling Properties and Durability of Concretionary Laterite Gravel Aggregates, Enuvie G. Akpokodje and Peter P. Hudec, MT Feb. 92, p58-70.

Porous media

Chloride Binding Capacity in Cement–Fly-Ash Pastes, O. A. Kayyali and M. Sh. Qasrawi, MT Feb. 92, p16-26.

Predictions of Thermal Characteristics for Mixed Porous Media, Yueying Deng, Clifford B. Fedler and James M. Gregory, MT May 92, p185-195.

Probabilistic models

Modeling Stiffness Degradation in Filamentary Composite Materials, Robert M. Hackett and Kerry T. Slattery, MT May 92, p196-211.

Pull-out resistance

Fracture Toughness for Steel Fiber-Cement Paste Interfacial Zone, Mitsunori Kawamura and Shin-ichi Igarashi, MT Aug. 92, p227-239.

Quality control

Corrosion Cracking in Relation to Bar Diameter, Cover, and Concrete Quality, Rasheeduzzafar, S. S. Al-Saadoun and A. S. Al-Gahtani, MT Nov. 92, p327-342.

Reinforcement

Moisture Effects on Flexural Performance of Wood Fiber-Cement Composites, Parviz Soroushian and Shashidhara Marikunte, MT Aug. 92, p275-291.

Reinforcing steels

Rebar Corrosion in $MgSO_4$ Solution, Mohammad Shamim Khan and Abdul-Hamid J. Al-Tayyib, MT Aug. 92, p292-299.

Strength and Corrosion Resistance of Superplasticized Concretes, Mohammed Maslehuddin, Rasheeduzzafar and Abdulaziz Ibrahim Al-Mana, MT Feb. 92, p108-113.

Roller compacted concrete

Permeability of Roller Compacted Concrete, Nemkumar Banthia, Michel Pigeon, Jaques Marchand and Jean Boisvert, MT Feb. 92, p27-40.

Selection

FRP-Reinforced Wood as Structural Material, Nikolaos Plevris and Thanasis C. Triantafillou, MT Aug. 92, p300-317.

Service loads

Modeling Stiffness Degradation in Filamentary Composite Materials, Robert M. Hackett and Kerry T. Slattery, MT May 92, p196-211.

Shear tests

In-Place Shear Testing of Tile, Arthur P. Reed, Bruce A. Suprenant and Jim Acri, MT Aug. 92, p264-274.

Properties of PVB Interlayer Used in Laminated Glass, C. V. Girija Vallabhan, Y. C. Das and Manjunatha Ramasamudra, MT Feb. 92, p71-76.

Sheets

Properties of Gypsum Wallboards Containing Fly Ash, Ramesh C. Joshi, Joonu O. Thomas and Rex B. Adam, MT May 92, p212-225.

Shrinkage

Strength and Shrinkage of Natural Pozzolanic Mortar in Hot Weather, Jihad S. Sawan, MT May 92, p153-165.

Silica

Fracture Toughness for Steel Fiber-Cement Paste Interfacial Zone, Mitsunori Kawamura and Shin-ichi Igarashi, MT Aug. 92, p227-239.

Size effect

Corrosion Cracking in Relation to Bar Diameter, Cover, and Concrete Quality, Rasheeduzzafar, S. S. Al-Saadoun and A. S. Al-Gahtani, MT Nov. 92, p327-342.

Slip

Modeling Load-Slip Behavior of Nailed Joints, Ruy A. Sà Ribeiro and Patrick J. Pellicane, MT Nov. 92, p385-398.

Solid wastes

Durability of MSW Fly-Ash Concrete, James R. Triano and Gregory C. Frantz, MT Nov. 92, p369-384.

MSW Incinerator Ash as Aggregate in Concrete and Masonry, Rosmadi Abdul Rashid and Gregory C. Frantz, MT Nov. 92, p353-368.

Stabilization

Postcrack Scaling Relations for Fiber Reinforced Cementitious Composites, Victor C. Li, MT Feb. 92, p41-57.

Statistical analysis

Variations in Measured Resilient Modulus of Asphalt Mixes, Faisal H. Al-Sugair and Jamal A. Almudaiheem, MT Nov. 92, p343-352.

Steel

Corrosion Cracking in Relation to Bar Diameter, Cover, and Concrete Quality, Rasheeduzzafar, S. S. Al-Saadoun and A. S. Al-Gahtani, MT Nov. 92, p327-342.

Steel fibers

Fracture Toughness for Steel Fiber-Cement Paste Interfacial Zone, Mitsunori Kawamura and Shin-ichi Igarashi, MT Aug. 92, p227-239.

Normal- and High-Strength Fiber-Reinforced Concrete under Compression, A. Samer Ezeldin and Perumalsamy N. Balaguru, MT Nov. 92, p415-429.

Properties of Aramid-Fiber Reinforced Concrete and SIFCON, Antonio Nanni, MT Feb. 92, p1-15.

Strain

Compressive Behavior of Glass-Fiber–Reinforced Polymer Concrete, S. Mebarkia and C. Vipulanandan, MT Feb. 92, p91-105.

Creep Recovery of Prepacked Aggregate Concrete, Abu S. M. Abdul Awal, MT Aug. 92, p320-325.

Strain energy

Fracture Toughness for Steel Fiber-Cement Paste Interfacial Zone, Mitsunori Kawamura and Shin-ichi Igarashi, MT Aug. 92, p227-239.

Strength
Compressive Behavior of Glass-Fiber–Reinforced Polymer Concrete, S. Mebarkia and C. Vipulanandan, MT Feb. 92, p91-105.
Factors Controlling Properties and Durability of Concretionary Laterite Gravel Aggregates, Enuvie G. Akpokodje and Peter P. Hudec, MT Feb. 92, p58-70.

Stress analysis
Straight, Single-Tapered Composite I-Beams of Orthotropic Materials, Robert J. Leichti and Chai H. Yoo, MT Nov. 92, p399-414.

Stress-strain curves
Normal- and High-Strength Fiber-Reinforced Concrete under Compression, A. Samer Ezeldin and Perumalsamy N. Balaguru, MT Nov. 92, p415-429.

Studs
Water Penetration in Laterally Loaded Brick-Wall Panels, J. O. Arumala, MT Nov. 92, p432-436.

Sulfates
Rebar Corrosion in $MgSO_4$ Solution, Mohammad Shamim Khan and Abdul-Hamid J. Al-Tayyib, MT Aug. 92, p292-299.

Taper
Straight, Single-Tapered Composite I-Beams of Orthotropic Materials, Robert J. Leichti and Chai H. Yoo, MT Nov. 92, p399-414.

Temperature effects
Effects of CCA Treatment and Drying on Tensile Strength of Lumber, J. E. Winandy, H. M. Barnes and P. H. Mitchell, MT Aug. 92, p240-251.

Tensile strength
Effects of CCA Treatment and Drying on Tensile Strength of Lumber, J. E. Winandy, H. M. Barnes and P. H. Mitchell, MT Aug. 92, p240-251.

Thermal properties
Predictions of Thermal Characteristics for Mixed Porous Media, Yueying Deng, Clifford B. Fedler and James M. Gregory, MT May 92, p185-195.

Timbers
Effects of CCA Treatment and Drying on Tensile Strength of Lumber, J. E. Winandy, H. M. Barnes and P. H. Mitchell, MT Aug. 92, p240-251.

Toughness
Compressive Behavior of Glass-Fiber–Reinforced Polymer Concrete, S. Mebarkia and C. Vipulanandan, MT Feb. 92, p91-105.
Normal- and High-Strength Fiber-Reinforced Concrete under Compression, A. Samer Ezeldin and Perumalsamy N. Balaguru, MT Nov. 92, p415-429.

Underwater construction
Fly-Ash Slurry Island: I. Theoretical and Experimental Investigations, Sumio Horiuchi, Masataka Taketsuka, Takuro Odawara and Hiromi Kawasaki, MT May 92, p117-133.
Fly-Ash Slurry Island: II. Construction in Hakucho Ohashi Project, H. Kawasaki, S. Horiuchi, M. Akatsuka and S. Sano, MT May 92, p134-152.

Variability
Variations in Measured Resilient Modulus of Asphalt Mixes, Faisal H. Al-Sugair and Jamal A. Almudaiheem, MT Nov. 92, p343-352.

Walls
Performance of Masonry Walls: Case Study in Kuwait, Adnan M. Al-Adeeb and Hayfaa A. Al-Mudhaf, MT Feb. 92, p77-90.
Water Penetration in Laterally Loaded Brick-Wall Panels, J. O. Arumala, MT Nov. 92, p432-436.

Water infiltration
Water Penetration in Laterally Loaded Brick-Wall Panels, J. O. Arumala, MT Nov. 92, p432-436.

Wood
Moisture Effects on Flexural Performance of Wood Fiber-Cement Composites, Parviz Soroushian and Shashidhara Marikunte, MT Aug. 92, p275-291.

Wood preservatives
Effects of CCA Treatment and Drying on Tensile Strength of Lumber, J. E. Winandy, H. M. Barnes and P. H. Mitchell, MT Aug. 92, p240-251.

Wooden structures
FRP-Reinforced Wood as Structural Material, Nikolaos Plevris and Thanasis C. Triantafillou, MT Aug. 92, p300-317.
Modeling Load-Slip Behavior of Nailed Joints, Ruy A. Sá Ribeiro and Patrick J. Pellicane, MT Nov. 92, p385-398.

AUTHOR INDEX

Acri, Jim
see Reed, Arthur P., MT Aug. 92, p264-274

Adam, Rex B.
see Joshi, Ramesh C., MT May 92, p212-225

Akatsuka, M.
see Kawasaki, H., MT May 92, p134-152

Akpokodje, Enuvie G.
Factors Controlling Properties and Durability of Concretionary Laterite Gravel Aggregates, with Peter P. Hudec, MT Feb. 92, p58-70

Al-Adeeb, Adnan M.
Performance of Masonry Walls: Case Study in Kuwait, with Hayfaa A. Al-Mudhaf, MT Feb. 92, p77-90

Al-Gahtani, A. S.
see Rasheeduzzafar, MT Nov. 92, p327-342

Al-Mana, Abdulaziz Ibrahim
see Maslehuddin, Mohammed, MT Feb. 92, p108-113

Almudaiheem, Jamal A.
see Al-Sugair, Faisal H., MT Nov. 92, p343-352

Al-Mudhaf, Hayfaa A.
see Al-Adeeb, Adnan M., MT Feb. 92, p77-90

Al-Saadoun, S. S.
see Rasheeduzzafar, MT Nov. 92, p327-342

Al-Sugair, Faisal H.
Variations in Measured Resilient Modulus of Asphalt Mixes, with Jamal A. Almudaiheem, MT Nov. 92, p343-352

Al-Tayyib, Abdul-Hamid J.
see Khan, Mohammad Shamim, MT Aug. 92, p292-299

Arumala, J. O.
Water Penetration in Laterally Loaded Brick-Wall Panels, MT Nov. 92, p432-436

Awal, Abu S. M. Abdul
Creep Recovery of Prepacked Aggregate Concrete, MT Aug. 92, p320-325

Balaguru, Perumalsamy N.
see Ezeldin, A. Samer, MT Nov. 92, p415-429

Banthia, Nemkumar
Permeability of Roller Compacted Concrete, with Michel Pigeon, Jaques Marchand and Jean Boisvert, MT Feb. 92, p27-40

Barnes, H. M.
see Winandy, J. E., MT Aug. 92, p240-251

Boisvert, Jean
see Banthia, Nemkumar, MT Feb. 92, p27-40

Burns, F.
see Janardhanam, R., MT Aug. 92, p252-263

Das, Y. C.
see Vallabhan, C. V. Girija, MT Feb. 92, p71-76

Deng, Yueying
Predictions of Thermal Characteristics for Mixed Porous Media, with Clifford B. Fedler and James M. Gregory, MT May 92, p185-195

Ezeldin, A. Samer
Normal- and High-Strength Fiber-Reinforced Concrete under Compression, with Perumalsamy N. Balaguru, MT Nov. 92, p415-429

Fedler, Clifford B.
see Deng, Yueying, MT May 92, p185-195

Frantz, Gregory C.
see Rashid, Rosmadi Abdul, MT Nov. 92, p353-368
see Triano, James R., MT Nov. 92, p369-384

Gregory, James M.
see Deng, Yueying, MT May 92, p185-195

Hackett, Robert M.
Modeling Stiffness Degradation in Filamentary Composite Materials, with Kerry T. Slattery, MT May 92, p196-211

Horiuchi, S.
see Kawasaki, H., MT May 92, p134-152

Horiuchi, Sumio
Fly-Ash Slurry Island: I. Theoretical and Experimental Investigations, with Masataka Taketsuka, Takuro Odawara and Hiromi Kawasaki, MT May 92, p117-133

Hover, K. C.
see Natesaiyer, K., MT May 92, p166-184

Hudec, Peter P.
see Akpokodje, Enuvie G., MT Feb. 92, p58-70

Igarashi, Shin-ichi
see Kawamura, Mitsunori, MT Aug. 92, p227-239

Janardhanam, R.
Mix Design for Flowable Fly-Ash Backfill Material, with F. Burns and R. D. Peindl, MT Aug. 92, p252-263

Joshi, Ramesh C.
Properties of Gypsum Wallboards Containing Fly Ash, with Joonu O. Thomas and Rex B. Adam, MT May 92, p212-225

Kawamura, Mitsunori
Fracture Toughness for Steel Fiber-Cement Paste Interfacial Zone, with Shin-ichi Igarashi, MT Aug. 92, p227-239

Kawasaki, H.
Fly-Ash Slurry Island: II. Construction in Hakucho Ohashi Project, with S. Horiuchi, M. Akatsuka and S. Sano, MT May 92, p134-152

Kawasaki, Hiromi
see Horiuchi, Sumio, MT May 92, p117-133

Kayyali, O. A.
Chloride Binding Capacity in Cement–Fly-Ash Pastes, with M. Sh. Qasrawi, MT Feb. 92, p16-26

Khan, Mohammad Shamim
Rebar Corrosion in $MgSO_4$ Solution, with Abdul-Hamid J. Al-Tayyib, MT Aug. 92, p292-299

Leichti, Robert J.
Straight, Single-Tapered Composite I-Beams of Orthotropic Materials, with Chai H. Yoo, MT Nov. 92, p399-414

Li, Victor C.
Postcrack Scaling Relations for Fiber Reinforced Cementitious Composites, MT Feb. 92, p41-57

Marchand, Jaques
see Banthia, Nemkumar, MT Feb. 92, p27-40

Marikunte, Shashidhara
see Soroushian, Parviz, MT Aug. 92, p275-291

Maslehuddin, Mohammed
Strength and Corrosion Resistance of Superplasticized Concretes, with Rasheeduzzafar and Abdulaziz Ibrahim Al-Mana, MT Feb. 92, p108-113

Mebarkia, S.
Compressive Behavior of Glass-Fiber–Reinforced Polymer Concrete, with C. Vipulanandan, MT Feb. 92, p91-105

Mitchell, P. H.
see Winandy, J. E., MT Aug. 92, p240-251

Nanni, Antonio
Properties of Aramid-Fiber Reinforced Concrete and SIFCON, MT Feb. 92, p1-15

Natesaiyer, K.
Protected-Paste Volume of Air-Entrained Cement Paste. Part 1, with K. C. Hover and K. A. Snyder, MT May 92, p166-184

Odawara, Takuro
see Horiuchi, Sumio, MT May 92, p117-133

Peindl, R. D.
see Janardhanam, R., MT Aug. 92, p252-263

Pellicane, Patrick J.
see Sà Ribeiro, Ruy A., MT Nov. 92, p385-398

Pigeon, Michel
see Banthia, Nemkumar, MT Feb. 92, p27-40

Plevris, Nikolaos
FRP-Reinforced Wood as Structural Material, with Thanasis C. Triantafillou, MT Aug. 92, p300-317

Qasrawi, M. Sh.
see Kayyali, O. A., MT Feb. 92, p16-26

Ramasamudra, Manjunatha
see Vallabhan, C. V. Girija, MT Feb. 92, p71-76

Rasheeduzzafar
Corrosion Cracking in Relation to Bar Diameter, Cover, and Concrete Quality, with S. S. Al-Saadoun and A. S. Al-Gahtani, MT Nov. 92, p327-342
see Maslehuddin, Mohammed, MT Feb. 92, p108-113

Rashid, Rosmadi Abdul
MSW Incinerator Ash as Aggregate in Concrete and Masonry, with Gregory C. Frantz, MT Nov. 92, p353-368

Reed, Arthur P.
In-Place Shear Testing of Tile, with Bruce A. Suprenant and Jim Acri, MT Aug. 92, p264-274

Sà Ribeiro, Ruy A.
Modeling Load-Slip Behavior of Nailed Joints, with Patrick J. Pellicane, MT Nov. 92, p385-398

Sano, S.
see Kawasaki, H., MT May 92, p134-152

Sawan, Jihad S.
Strength and Shrinkage of Natural Pozzolanic Mortar in Hot Weather, MT May 92, p153-165

Slattery, Kerry T.
see Hackett, Robert M., MT May 92, p196-211

Snyder, K. A.
see Natesaiyer, K., MT May 92, p166-184

Soroushian, Parviz
Moisture Effects on Flexural Performance of Wood Fiber-Cement Composites, with Shashidhara Marikunte, MT Aug. 92, p275-291

Suprenant, Bruce A.
see Reed, Arthur P., MT Aug. 92, p264-274

Taketsuka, Masataka
see Horiuchi, Sumio, MT May 92, p117-133

Thomas, Joonu O.
see Joshi, Ramesh C., MT May 92, p212-225

Triano, James R.
Durability of MSW Fly-Ash Concrete, with Gregory C. Frantz, MT Nov. 92, p369-384

Triantafillou, Thanasis C.
see Plevris, Nikolaos, MT Aug. 92, p300-317

Vallabhan, C. V. Girija
Properties of PVB Interlayer Used in Laminated Glass, with Y. C. Das and Manjunatha Ramasamudra, MT Feb. 92, p71-76

Vipulanandan, C.
see Mebarkia, S., MT Feb. 92, p91-105

Winandy, J. E.
Effects of CCA Treatment and Drying on Tensile Strength of Lumber, with H. M. Barnes and P. H. Mitchell, MT Aug. 92, p240-251

Yoo, Chai H.
see Leichti, Robert J., MT Nov. 92, p399-414